

AND

ZONATION MAP



PREPARED BY

THE ALBERTA HORTICULTURAL ADVISORY COMMITTEE

1946

PUBLISHED UNDER THE DIRECTION OF
HON, D. B. MACMILLAN
MINISTER OF AGRICULTURE

INTRODUCTION

This Horticultural Folder gives you:—

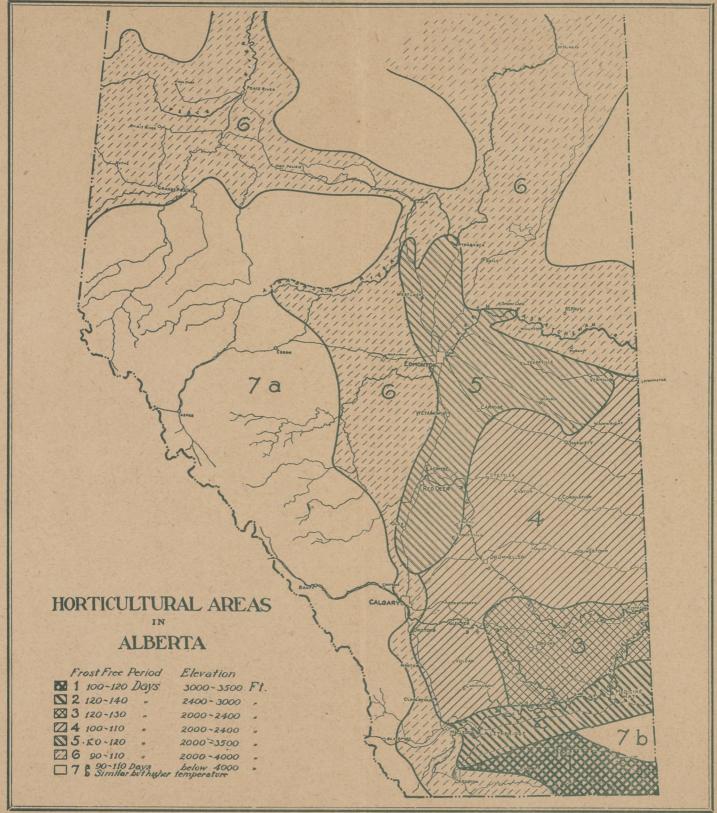
A plan of the Province showing the Horticultural Zones; a list of recommended fruits and vegetables for each zone and other useful and practical information of value to every home or commercial gardener. Keep it amongst your gardening books for reference.

This folder will be revised from time to time as more definite information is available. Every enthusiastic gardener can help in this improvement by reporting accurately his experience with new varieties. No Zonation map can be perfect. Growing conditions are not uniform throughout each zone and conditions such as soil, site, moisture, proximity of large bodies of water or sudden changes in elevation cause local areas in each zone to be more favourable. When reporting successes with, or failure of, new introductions these factors should be kept in mind.

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Committee Personnel is made up of Representatives from: Dominion Experimental Farms — Beaverlodge, Lacombe, Lethbridge; Dominion Plant Production Division; Provincial Horticultural Station, Brooks; Provincial Schools of Agriculture; University of Alberta, Edmonton; Alberta Nurserymen's Association.

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HORTICULTURAL AREAS IN ALBERTA

The Province is divided into seven horticultural areas, the seventh of which is again divided into areas 7a and 7b. The area as designated on the map are described as follows:

1. 100-120 days frost free period (29°F.). Ideally suited for horticulture when supplementary water is available. Elevation 3,000-3,500 feet. Hot growing season.

High evaporation.

2. 120-140 days (29°F.). With supplemental water this area will produce specialized crops. It is subject to severe chinooks and fruits require an abundance of shelter. Elevation 2,400-3,000 feet. High evaporation.

3. 120-130 days (29°F.). Extremely dry area. Elevation 2,000-2,400 feet. With irrigation will produce specialized crops. Not so subject to severe chinooks as District

2. High evaporation.

4. 100-110 days (29°F.). Area of limited moisture. Elevation 2,000-2,400 feet. Suitable for all horticultural crops in selected areas. Moderate evaporation. Handhills are similar to Zone 6.

5. 100-120 days (29°F.). Elevation 2,000-3,500 feet. Moderate precipitation, and low evaporation. Ideally suited to cool

season crops.

6. 90-110 days (29°F.): Elevation 2,400-4,000 feet, being low to the north. Vari-

able precipitation and evaporation.

7. (a) 90-110 days (29°F.). In favourable areas. The suitable areas are below 4,000 feet. Ample moisture, low evaporation.

b) Similar to (a), but with higher sum-

mer temperatures.

Code used in designating suitability in each area:

S—Satisfactory.

F-Fair.

T-Trial.

U—Unsuitable because of disease, quality, etc.

--- Behaviour not known.

*Suitable for quick freezing as shown by various authorities.

†Suitable for storage.

Recommended Fruit Varieties

i i i i i i i i i i i i i i i i i i i			V	uii	163	•	
Varieties			Di	stric	te		
CRABAPPLES	1	2	3	4	5	6	7
Columbia (late)	S	S	S	S	S	S	
Dolgo	S	S	5555	S	S	SSSSSS	T
Florence Garnet	S	SS	S	S	S	S	T
Osman	U	U	5	SSSS	SSSS	5	S
Robin	S	S	S	S		S	SS
Sylvia	U	U	U	S	S	S	S
APPLE—CRABAPPLE H	IYBI	RID	S				
Piotet	S	S	S	Т	S	T	
Rescue	S	S	S	S	S	T	
Rosilda	5	S	S	T	T	T	
Trail	5	S	TS	T	S	T	-
	3	,	3		0		
APPLES						•	
Allgood	Т	Т	S	Т	S	T	
Anis	Т	T	S	T	T	T	T
Brooks No. 27	T	T	S	T	T	T	4
HaralsonHeyer No. 12	S	S	SS	-	-	-	-
Hibernal		S	S	S	SS	ST	T
Manitoba Spy	T	T	T	_	_	_	
Mantet Moscow Pear	T	T	S	T	S		-
Red Duchess	S	ST	T	T			
Rosthern No. 15	S	S	S	S	S	T	T
Rosthern No. 17	S	S	S	S	S	T	T
PEARS							
Brooks No. 18	S	S	S	T	T	T	
Pioneer No. 3		S	S	T	T	T	-
Miney		T	T	Т	T	T	
It is advisable to plant pollination, and jelly making.	the	e U	ssur	rian	Pe	ar	for
PLUMS—"NATIVE"							
Assiniboine	Т	T	S	S	S	T	
Bounty		I	S	T	S	T	-
Dandy		T	S	T	ST	T	
Mina		T	S.	T	S	T	_
Norther	Т	T	S	Т	S	T	-
PLUMS-HYBRIDS							
Grenville		T	S	T	T	T	1
Minn 89	T	T	S	T	T	T	-
Ojibwa		T	S	S	T	-	-
Pembina Tecumseh	T	T	S	S	ST	T	

The "Native" Plums and Sandcherries are good pollinizers.

SANDCHERRY-PLUM-	-HYBRIDS
------------------	----------

Brooks No. 24	T	T	S	T	T	T	-
Dura							
Opata	S	S	S	S	S	T	
Sapa						T	_
Sapalta	T	T	S	T	T	T	_

SANDCHERRIES

Brooks	S	S	S	S	S	T	
Manmoor	S	S	S	S	S	T	_
Selected Seedlings	S	S	S	S	S	S	S
Sioux	S	S	S	S	S	T	-

CHERRIES

Coronation	T	T	T	T	T	T	-
Manchu (Nanking)	T	T	S	T	S	T	
Ussurian							

APRICOTS

Anda	T	T	T	T	T	T	-
M 601	T	T	T	T	T	T	_
Robust							
Scout							

Plant Apricot seedlings with named varieties for pollination.

GRAPES

Beta	T	T	S	T	T	U	
Riding Mountain	T	T	S	T	T	U	-

Other varieties can be grown but they require winter covering. See supplemental list.

RASPBERRIES

Chief	S	S	S	S	S	S	T
Herbert	. U	U	T		S	S	-
Latham	. S	S	S	T	S	T	
Newburgh	T	T	S	T	S	T	-
Viking	S	S	S	S	S	S	-

Raspberries need to be well sheltered. In many districts winter cover is necessary. Do not plant raspberries on south side of east-west shelter.

CURRANTS

RED

Fay	S	S	S	S	S	U	T
Red Grape	S	S	S	S	S	S	T
Red Lake	S	S	S	S	S	T	T
Victoria							

WHITE

White	Grane		5	5	5	5	5	5	T
AALIIIG	Grupe.		>	2	2	2	2	2	

BLACK

Black Naples	S	S	S	S	S	S	T
Lee's Prolific	S	S	5	S	S	S	T
Boskoop Giant							

Varieties			Di	stric	ts		
	1	2	3	4	5	6	7
FLOWERING CURRANT	S						
Crandall	S	S	S	S	SS	S	_
Selections	S	S	S	S	S	S	-
GOOSEBERRIES							
Abundance	S	S	S	S	S	T	
Pixwell		S			S		-
Thoresen					T	T	
Whitesmith		T	5	T	1	1	
STRAWBERRIES							
SUMMER (JUNE BEARING	1)						
British Sovereign	S	S	SSS	T	T	T	
Dunlop		S	S	S	TS	S	_
Premier	S	S	S	S	S	S	-
FALL (EVERBEARING)							
Gem		S	S	SS	S	S	-
Mastodon	S	S	S	S	S	S	-

Note to Beginners:

A suitable site, ample windbreak protection, well prepared land and vigorous one-year-old stocks of carefully selected hardy varieties will reward the grower with a successful home orchard. When planting the young trees slant them at a 60° angle into the 2 o'clock sun and cover point of union with at least two inches of soil. Most fruit trees are self sterile—that is the flowers will not set fruit when fertilized with their own pollen. This makes it necessary to plant more than one variety of each kind of fruit.

An orchard of 15 to 20 trees as a first unit can be selected from the following:

Crabapples-Osman, Robin, Dolgo and Florence.

Apple x Crab—Rescue and Piotet.

Apple—Heyer No. 12 and Ros. No. 15.

Pear—Pioneer No. 3 and Brooks No. 18.
Plums—Assiniboine, Bounty, Norther and Pembina.

Cherry Plums-Dura and Opata.

Sandcherries—Brooks, Manmoor and Selected Seedlings.

Apricot—Scout and seedlings for pollination.

Small Fruits—Chief Raspberry, Red, White and Black Currants, Pixwell Gooseberry and Premier Strawberry.

When selecting varieties to start an orchard, check with those recommended for your zone.

Other Varieties for Trial:

- APPLES—Beacon, Breakey, Brooks No. 20, Brooks No. 30, Daniels Red Duchess, M5034E251, Pioneer No. 5, Mortof, Spangled, Mount.
- PEARS—Bantam, Finsib, IIva, Jonsib, Krylov, Parker, Tait, Dropmore (for Zone 6).
- PLUMS—HYBRID—Haralson No. 4, Minn. 197, Minn. Minn. 255, Radisson, Underwood, Waneta, Manchurian Seedlings—(B. No. 40, B. No. 41).
- SANDCHERRY—PLUM—HYBRIDS—Dura, Oka.
- CHERRY—Bessarabian, Drilea, Orel, Ottawa 302, Red June X Sandcherry.
- GRAPES—To be covered: Patricia, Fredonia, Mary, Massasoit, Early Daisy.
- RASPBERRIES-0-272, Madawaska, Marion, Trent.
- CURRANTS-Stephen No. 9, Kerry, Climax, Magnus.
- GOOSEBERRIES Ross, Welsh Golden, Pembin Pride, Thoreson.

STRAWBERRY—Tupper, Borden.

PLANTING DISTANCES FOR FRUITS

	Distance Bet	tween Trees
	Variations	Recommended
Apples	.14-20 ft.	16 ft.
Plums (tree)	12-18 ft.	15 ft.
Cherry Plum	10-15 ft.	12 ft.
Sandcherries	. 1-8 ft.	5 ft.
Pears	14-20 ft.	16 ft.
Currants	6x8 ft.	
Goosberries	6x8 ft.	
Grapes	. 8x8 or 8x10 f	ft.
Raspberries— Hills Hedge		
Strawberries— June Everbearing		ít.

Note: When planting distances are being decided give first consideration to the width of cultivating equipment and plant so that equipment available can be used. This means the rows should be at least 2 feet wider than width of cultivating implement.

To estimate the number of plants required for an acre, at any given distance, multiply the distance between rows by the distance between the plants, which will give the number of square feet allotted to each plant, and divide the number of square feet in an acre (43,560) by this number. The quotient will be the number of plants required.

PERENNIALS SUITABLE FOR ROCK GARDENS

	PERENNIALS SUITABLE	FOR	ROCK	GARDENS
1.	Greek Yarrow	Achillea	ageratit	folia
2.	Stonecress	Aethione	ma persi	cum
3.	Mountain Alyssum	Alyssum	montant	ım
6.	Goldentuft Alyssum	Alvssum	wulferni	anum
7.	Flowering Unions	Alliumsi	n variety	7
8. 9.	European Pasqueflower	Anemone	pulsatil	la
10.	Alpine Columbine Double Whitefan Columbine	Aquilegia	flabella	ta (Double Fan)
11.	Columbine	Aquilegia	glandul	osa jucunda
12.	Alpine Rockcress	Arabis al	pina	
13. 14.	RockcressLarchleaf Sandwort			
15.	Purple Sandwort			
16.	Alpine Aster	Aster alp	inus	
17. 19.	East Indies Aster	Aster sub	coeruleu	S
22.	Carpathian Bellflower	Campanu	la carpa	tica
23.	Top Bellflower	Campanii	la carpa	tica turbinata
24.	Singlenod Bellflower	Campanu	la caespi	itosa
26.	BellflowerLowcluster Bellflower	Campanu	la garga	nica grata aculis
27.	Bluebell	Campanu	la rotun	difolia
28.	Snow-in-summer			
30.	Maiden Pink			
32.	Glacier Pink	Dianthus	neglectu	IS
33.	Mountain Douglasia	Douglasia	n montar	18
34.	Douglasia	Douglasia	a vitaliar	na
35. 38.	White Shooting StarFarrer Centian	Dodecath	eon mea	dia
39.	Hascomb Gentian			pensis
40.	Purdom Gentian	Gentiana	purdom	i
41.	Gentian			
44.	Creeping GysophillaPlantainlily		ia repens	
45.	Coralbells		sanguir	nea
47.	Dwarf Iris	Tris numi	la	
50. 51.	Common Edelweiss. Alpine Toadflax	Leontopo	dium al	oinum
52.	Alpine Flax	Linum A	lpinum	
53.	Golden Flax	Linum F	lavin	
54.	Arctic Campion	Lychnis	alpina	
55. 58.	Clammy Campion	Lychnis	viccaria	
59.	Grape Hyacinth	Myosotis	alpestris	
60.	Water Forget-Me-Not	. Myosotis	scorpioi	des
62.	Persian Nepeta Sawsepal Penstemon	Nepota n	nussini	
64.	Low Penstemon	Pentsten	on humi	ilis
65.	Menzies Penstemon	Pentster	non menz	
65.	Moss Phlox in variety	Phlox su	bulata	
66. 67.	Creeping Phlox	Polemon	ium rent	ans
68.	Spring Cinquefoil	Potentill	a verna	(dwarf)
69.	Auricula Primrose	.Primula	auricula	
70. 71.	Cortusa PrimroseLongflower Primrose	Primula	longiflon	des
72.	Cowslip Primrose	Primula	veris	a
78.	Rock Soanwort	Sanonari	a ocyma	ides
79. 80.	Aizoon Saxifrage	Saxifrag	a aizoon	+0
80.	Saxifrage	Saxifrag	a decipie	ns
82.	Saxifrage Engler	.Saxifrag	a engler	
83.	Saxifrage MacNab	Saxifrag	a macna	biana
84.	Alpine Skullcap			1
86.	Goldmoss Stonecrop.	Sedum a	cre	
87.	Ewers Stonecrop.	.Sedum E	wersi	
88.	Orange Stonecrop	Sedum K	amtscha	ticum
90.	Tworow Stonecrop	Sedum s	parium	
91.	Souseleeks	.Semperv	ivum (ir	variety)
92.	Moss Silene			
93. 96.	Scarlet Globemallow	Thymus	lanuging	2119
97.	Mother of Thyme	Thymus	serpyllu	m
98.	Mother of Thyme. Dwarf Globeflower. Saxifrage Tunicflower.	Trollius	pumilus	
99.	Saxifrage Tunicflower	.Tunica s	axifraga	
100.	Hungarian Speedwell	. Veronica	a latifoli	a
102.	Rupestris Speedwell	Veronica	alatifoli	a (Rupestris)
103.	Wooly Speedwell	.Veronica	alatifoli	a varieties
104.				IShrley Blue
105.	Horned Violet	Viola ele	egantula	
			THE REAL PROPERTY.	

Recommended Vegetable Varieties

recommended veg	CI	un	ILE	A .	WI I	CI	163
Varieties			Di	stric	ts		
ARTICHOKE	1	2	3	4	5	6	7
Jerusalem.							
ASPARAGUS							
*Mary Washington.							
BEANS							
BUSH SNAP							
Green, Round							
*Asgrow Stringless	-	-	-	-	-	-	
Greenpod	S	S	S	F	S	S	1
*Tendergreen	2	2	2	r	2		-
Green, Flat							
*Bountiful	S	S	S	S	S	S	T
Yellow, Round							
Long Yellow Six Weeks.	T	T	S	T	T	T	
*Round Pod Kidney Wax							
(Brittle Wax)	S	S	S	S	S	S	T
Yellow, Flat							
Golden Wax	S	S	S	S	S	S	T
*Webber Wax	5	S	S	5	5	5	T
POLE SNAP							
Green							
*Blue Lake	S	S	C	T	T		
*Kentucky Wonder	5	5	S	+	T	T	
Yellow	2	2	2		1		
Kentucky Wonder Wax.	C	S	S	T	T		
	,	,	3				
SHELL OR DRY							
White Seeded	-	-	-	-	-	-	
Burbank	S	S	S	T	T	T	
Lady Washington	T	T	S	-	-	-	
Pacer.		S	S	S	S	TS	-
Princess of Artois				2	2	2	
Brown	-	-	-	_	_	-	
Alberta Brown	S	S	S	T	T	T	
Red	0	c	-				
Hidatsa Red Kidnev	S	S	S	1			
Horticultural	2	2	2	1250/			
Cranberry	S	S	S	S	S	T	
	2	2	2	2	- >	1	
BROADBEAN			-	-	-	-	
Broad Windsor		S	S	S	S	S	Т
Longpod Hangdown	S	S	S	5	S		
SOYBEAN							
Yellow							
Early Black Eye	S	S	S	-	-	U	-
Kabott	S	S	SS	T	T	-	-
Pagoda	S	S	S	T	T	-	-
Brown Seeded	1	37137	No. of				
Agate	5	S	S	T	T	U	
	-	A Real Property lies	-	THE OWNER WHEN	Name and Address of the Owner, where the Owner, which the	-	-

Code used in designating suitability in each area:

S—Satisfactory.

F-Fair.

T-Trial.

U-Unsuitable because of disease, quality, etc.

———Behaviour not known.

*Suitable for freezing as shown by various authorities.

†Suitable for storage.

BEETS

Early

Early Flat Egyptian, Crosby's Egyptian.

Main Crop

†Detroit Dark Red.

BROCCOLI

*Italian Green (sprouting), Walcherian (heading).

BRUSSELS SPROUTS

†Dwarf Perfection Improved, †Dalkeith.

CABBAGE

Early

Golden Acre, Baby Head.

Midseason

Copenhagen Market.

Late

†Danish Ballhead.

†Penn. State.

Savoy

†Chieftain.

Red

†Red Haco, †Mammoth Rock.

CARROTS

Early Short

Oxheart.

Oxneart.

Long, Bunching
Imperator, Morse's Bunching.

Half-long

†Red Cored Chantenay, *Nantes (Coreless), Touchon.

CAULIFLOWER

*Snowball, Snow Drift (late).

CELERY

Early, Golden

Golden Self Blanching.

Late, Green

†Utah (Salt Lake).

Midseason Yellow Cornell No. 19.

CELERIAC

†Prague.

CHINESE CABBAGE

Fall Crop Only

Chihli,

CHARD, SWISS

Lucullus.

CORN

Pop							
Blue Snow	S	S	S	S	T	T	
Pinkie							-
Tom Thumb							-
White Rice							

Sweet

arliest							
Banting	U	U	S	S	S	S	T
*Dorinny	S	S	S	S	S	S	-
Golden Gem	U	U	U	S	S	S	T
Pickaninny	U	U	U	S	S	S	T

Varieties			Di	stric	ts		
CORN (Continued)	1	2	3	4	5	6	7
Seneca 60	5	S	S	S	S	Т	
Gemcross			-	S	T	T	
Golden Early Market ** **Marcross	S	SS	SS	S	S	SU	T
*Spancross	S	S	S	Ť	T	T	_
Medium Season *Burbank Golden Bantam.	S	S	S	Т	Т		
Late							
*Golden Bantam Sachem	5	SS	SS	U	UU	-200	U
*Topcross Maine Bantam	S	S	S	U	U	U	U
Topcross Sunshine	2	2	5	U	U	U	·U
CUCUMBER							
Field Slicing Delcrow	5	5	5	5	5		
Delcrow Straight 8	S	S	S	SS	S		_
Pickling Early Russian				S	C	0	_
Mincu	S	S	S	S	S	_	-
National Pickling	S	S	S	S	S	-	-
EGGPLANT							
Black Beauty		S	S	U	U	U	U
KOHL-RABI	,						
White Vienna	S	S	S	S	S	S	Т
KALE							
Tall Green Curled	S	S	S	S	S	S	S
LEEK							
†Musselburgh	S	SS	SS	S	SS	Т	T
†Carentan	S	5	S	S	S	T	T
LETTUCE							
Crisp-head	-	-	_				
Great Lakes	5	5	5	5	5	T	S
Imperiall 44 New York 12 New York 515	S	S	S	SSS	S	ST	ST
Butter-head	2	2	2	2	2	1	1
	F	F	F	F	F	F	F
Cos Paris White	S	S	S	S	S	S	S
Leaf	2	3	3	3	3	3	3
	S	S	SS	S	S	S	S
	S	SSS	5	5	SSS	5 5 5	5
MUSKMELON							
Early							
	SU	SU	SU	S -			T
Farnorth	S	S	S	S - S - S -			T
Zephyr Late	U	U	U	S -			T
Bender's Surprise	S	SS	5	U	U	U	U
	S	S	S	U	U	U	U
		4 398			THE WAY	133	1550

Varieties			Di	stric	cts			
ONIONS	1	2	3	4	5	6	7	
DOMESTIC TYPE								
Yellow	,	,						
†Early Yellow Globe †Yellow Globe Danvers	5	5	5	5	5	5		
Red	,	,						
†Red Wethersfield	S	S	S	S	S	S	T	
White	•	•						
†Southport White Globe	5	S	S				THE STATE OF THE S	
Brown †Australian Brown	5	S	5	Т	5	Т		
SPANISH TYPE	C	C	0	C	0	•	- T	
Early Grano	5	5	SS	S	T	S	_	
PICKLING TYPE								
White Portugal	C	S	C	S	S	C	S	
	3	3	3	2	2	3	3	
PERENNIAL TYPE								
White Welsh	5	5	5	5	S	S		
PARSLEY								
Paramount, Triple Curled.								
PARSNIP								
	lelle							
Short Thick, †Guernsey, †F	10110	WC	row	n.				
PEAS								
Green, Early Alaska, *Little Marvel, Pr	ami	um	Cor	~				
Green, Midseason	ellil	uin	Gei	11.				
*Laxtonian, Lincoln (Homes	stea	der)	, *	Prog	res	5.		
Green, Late								
*Onward, Perfection, Profu	sion	, *	Stro	itage	em,			
*Telephone. Dried, Wrinkled								
Idabel, Japanese Sweet.								
Dried, Smooth								
Dashaway, Early Blue, Gold	len '	Vine	2.					
PEPPERS								
* A I - L -	5	S	9					
*Harris Earliest	S	S	S	T	T			
Hungarian Yellow	S	S	SS	S	S	T		
Large Bell	5	S	S	T	T			
POTATOES								
Early								
Carter's Early Favourite	S	ST	S	5	S	5	T	
Early Epicure Vick's Early	T	T	S	T	T	TT	T	
VICK S LUTTY		C	-					
Warba	TS	S	SSSS	S	S	S	J	
Warba	T	SS	5	S	S			
Midseason Bliss Triumph	T S S	SS		S	F	S 		THE REAL PROPERTY.
Midseason Bliss Triumph †Cobbler	TS SS	SS		SSS	FS			THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND PE
Midseason Bliss Triumph †Cobbler Early Ohio	T S S	SSSS	55 555	S	F	S 		The second secon
Midseason Bliss Triumph †Cobbler Early Ohio Late †Netted Gems	T S S S S S	SS SSS S	SSS S	SSS	FSFS	S 		THE REAL PROPERTY AND ADDRESS OF THE PARTY AND
Midseason Bliss Triumph †Cobbler Early Ohio	T S S S S S	SS SSS S	SSS S	SSS	FSF	SS		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANS

Districts

3 4 5 6

1 2

PUMPKIN

Early Cheyenne, Sugar.

RADISH

French Breakfast (Early), Saxa, Scarlet Globe, Sparkler (Early), Icicle (Summer).

RUTABAGA-SWEDE TURNIP

Purple Top

†American Purple Top, †Laurentian.

Green or Bronze Top †Ditmars.

RHUBARB

Canada Red, *Macdonall, Sunrise, Valentine.

SPINACH

*Darkie, *King of Denmark, *Nobel.

SQUASH Summer

Crookneck Scallop Straightneck †Vegetable Spaghetti	S		5555	5 5 5 5	5555	5555	TTTT
Winter, Small †Buttercup	S	S	S	S	S	S	I
*Table Queen Winter, Large			S	5 5	S	S	T
*Hubbard (groon or gold)	C	C	C	C	C	C	T

TOMATOES

Determinate, self-pruning							
Bounty	S	S	S	S	S	S	T
Farthest North							S
Early Chatham	5	S	S	S	S	T	-
Golden Bison							
(yellow fruited)	S	S	S	T	T	T	T
Lethbridge 3700	S	S	S	S	S	T	T
Redskin	S	S	S	S	S	S	T
Indeterminate, prune							

Earliana (selections) Princess Mary.....

TURNIP

Purple Top Milan, White Milan.

VEGETABLE MARROW English Bush

White Bush	S	S	S	S	S	S	T
talian †Cocozelle †Zucchini							

WATERMELON

Early Canada	S	S	S	T	T	U	
Honey Cream	S	S	S	T	T	U	-
Sensation							
Sweet Siberian							
Winter Oueen							

SHELTERBELTS

When planning your shelterbelt observe the following: Enclose an area of from five to ten acres. Summer fallow the land to be planted.

Plant the trees in the row from six to eight feet apart. Space the rows two feet wider than the width of your cultivating equipment, but not less than eight feet apart.

Allow at least 100 feet between buildings and shelterbelt. For quick shelter, plant all quick growing trees in a strip by itself and cut out clean in 20 to 25 years or as trees die. But don't fail to plant a separate strip of long lived trees 20 feet outside of the temporary strip with such kinds as Spruce, Pine, Tamarac, Green Ash, Elm and Oak.

Maintain clean cultivation both inside and outside of Shelterbelt.

Small evergreens can be successfully planted in exposed positions by sheltering with a shingle or with sunflowers. For further information write for Bulletins: "Farmstead Planning and Beautifying the Home Grounds," "Planting Decidious Trees," and "Planting Evergreen Trees,"

to: the Alberta Department of Agriculture, Edmonton, Alberta.

TREES FOR SHELTERBELTS

DECIDIOUS:

Fast growing, short lived trees—
Male poplars and cottonwoods, Sharp leaved and Laurel leaved
Willows, Manitoba Maple, Golden Willow, Manchurian Elm.
Slower growing, long lived trees—
American Elm, Green Ash, Oak.

Low growing types for outside and inside rows— Caragana, Lilac, Buffaloberry, Siberian Crab, Plum, Native Fruits.

EVERGREEN:

Colorado Spruce, White Spruce, Scotch Pine, Lodgepole Pine.

SOURCES OF SHELTERBELT TREES

DOMISION FOREST NURSERY STATION Indian Head, Saskatchewan. Order before March 15th.

DEPARTMENT OF LANDS AND MINES, FORESTRY SERVICE Edmonton, Alberta. Order before January 31st.

HARDY TREES AND SHRUBS

There are many other types and varieties, only those generally available are listed here.

EVERGREENS

Tall Growing

White SprucePicea glauca White Spruce.

Colorado Spruce,
Blue or Green.

Roster Blue Spruce.

Picea pungens (Koster)

Scotch Pine.

Pinus sylvestris

Lodgepole Pine.

Pinus contorta

White Cedar.

Thuja ocidentalis 6.

Low Growing

Prostrate Juniper..................Juniperus communis depressa, 18-24" 16. 18. 19.

DECIDIOUS TREES

28.

Northwest Poplar. Populus
Canadian Plum. Prunus nigra

White Oak Quercus alba
Burr Oak Quercus macrocarpa
Red Russian Willow Salix alba sericea 38.

40.	Sharpleaf Willow	Saliv acutifolia
41.	Laurel Willow	
42.	American Mountain Ash	Sorbus americana (bush and tree)
43.	Western Mountain Ash	Sorbus decora (bush and tree)
44.	Japanese Tree Lilac	Syringa amurensis japonica
45.	American Elm	Ulmus americana (Western strain) .Ulmus pumila
46.	Manchurian Eini	. Ulmus pumila
S	SHRUBS OR TREE-LIKE SH	RUBS OVER 10 FEET HIGH
49.	Ginalian Maple	
51.	Hawthorn	
52.	Russian Olive.	
53.	Mayday Tree	
54.	Amur Cherry	Prunus Maackii
55.	Hungarian Lilac.	Syringa Josikaea
56.	Late Lilac	Syringa villesa
57. 58.	Rosybloom Flowering Crabs Lilac Hybrids of Syringa villo	
00.	dilitata	sa, syringa renexa and obtata
		6 TO 10 FEET HIGH
62.	Common Caragana	Caragana arborescens
63.	Silverberry	
64.	Salt Tree	Hinnonhae rhamnoides
66.	Tartarian Honeysuckle	Longiera tartarica
67.	Altai Rose	Rosa spinosissima altaica
68.	Redman Elder	.Sambucus racimosa (Redman)
69.	Silver Buffaloberry	.Shpehredia argentea
70.	Common and Grafted Lilacs Highbush Cranberry	
11.		4 TO 6 FEET HIGH
75.		.Caragana arborescens Lorberg)
76.	Variegated Dogwood	.Cornus alba siberica (Creamedge)
77.	Redtwig Dogwood	Cornus stolonifera
78.	Goldentwig Dogwood	Cornus stolonifera flaviranea
79.	Manchu (Nanking) Cherry Smooth Sumac	Prunus tomentosa
80.	Smooth Sumac	Rhus glabra
81. 82.	Staghorn Sumae Flowering Currant	
83.	Alpine Currant	
84.	Redleaf Rose	Rosa rubrifolia
/85.	Golden Elder	.Sambucus canadensis (Golden)
86.	Ural False-spirae	Sorbaria sorbifolia
87.	Tamarix	(Coolidge)
		3 TO 4 FEET HIGH
91.	Indigo Bush	Amorpha fruticosa
92. 93.	Pygmy Caragana Peking Cotoneaster	Catanagatan agutifalia
94.	European Cotoneaster	
95.	Hedge Cotoneaster	.Cotoneaster luculata
96.	Panicle Hydrangea	Hydrangea paniculata
97.	Albert Regal Honeysuckle	Lonicera spinosa Alberti
98.	Cherry Prinsepia	
99.	Sandcherry	Philadelphus Lewisiss waterton Prunus Ressevi
101.	Purple Leaf Sandcherry	Prunus eistena
102.	Chinese Bush Cherry	Prunus japonica
103.	Roses, Hardy Bush Types	Rosa Hansa, Rosa Betty Bland.
104.	Billiard Spirea	
105.	Germander Spirea	Spirea chamaedryfolia
106. 107.	Oriental SpireaPikow Spirea	Spiraea media sericea
108.	Korean Spirea.	
109.	Three Lobed Spirea	.Spiraea trilobata
110.	Western Snowberry	
		1 TO 3 FEET HIGH
114.	Purple Barberry	
115.	Sweetberry Honeysuckle	Potentilla frutioga
117.	Bush Cinquefoil Dahurian Bush Cinquefoil	Potentilla fruticosa dahurica
118.	Russian Almond	Prunus tenilla
119.	Froebel Spirea	
	SHRIIRG I FCC TI	IAN 1 FOOT HIGH
0033	SHRUBS LESS IF	IAN I FOOT HIGH

 122. Bearberry
 Arctostaphylos uva ursi

 123. Rose Daphne
 Daphne cneorum

 124. Dwarf Burningbush
 Euonymus nanus

PERENNIALS

1.	PENEI	
	Sneezewort Yarrow	Achillea ptarmica
2.	Aconite Monkshood	Aconitum napellus
3.	Flowering Onions	
4.	Hollyhock	
	Colorado Columbine	Aquilogia acomulas
5.	Colorado Columbine	A cuitagia coerdica
6.	American Columbine	Aquilegia canadensis
7.		Aquilegia ciematinora
8.	Snowdrop Anemone	
9.	Rhone (Michaelmas) Daisy	.Astor acris
10.	New England Aster	
11.	East Indies Aster	
14.	Danesblood Bellflower	Campanula glomerata
15.	Olympic Bellflower	Campanula latiloba
16.	Beachleaf Bellflower	Campanula persicifola
17.	Persian Centaurea	
18.	Mountain Blue Centaurea	Centaurea montana
19.	Pyrenees Chrysanthemum	Chrysanthemum maxima (Shasta)
20.	Florists Pyrthrum	
21.	Solitary Clematis	Clamatic integrifolic
24.	Delphinium	Dolphinium Polladone
25.	Moncrel Larkspur	Delphinium bubuidum
26.	Grass Pinks	
27.	Wood Pink	.Dianthus sylvestris
28.	Gasplant Dittany	.Dictamnus albus
29.	Bleeding Heart	.Dicentra spectabilis
30.	Caucasia Leopardbane	Doronicum caucasicum
32.	Bluetop Eryngo	.Eryngium alpinum
34.	Perennial Gaillardia	Gaillardia aristata
35.	Baby's Breath	Gypsophila paniculata
36.	Baby's Breath, Double	Gypsophila paniculata (Double)
38.	Rough Heliopsis	.Heliopsis scabra
39.	Daylily	.Hemerocallis sp.
40.	Daylily Spotted St. John's Wart	Hypericum punctartum
42.	German Iris	Tris germanica
43.	Siberian Iris	Twis sibirian
46.	Siberian II S.	
47.	Dahurian Lily	
48.	Martagon Lily	
49.	Coral Lily	
50.	Tiger Lily	.Lillium tigrinum
51.	Double Tiger Lily	.Lilum tigrinum (Double)
52.	Szechhwan David Lily	
		and hybrid
53.	Western Orangecup Lily	.Lillium umbellatum
54.	Golden Flax perennial	Linum flavus
55.	Blue Flax perennial	Linum perenne
56.	Washington Lupin	Lupinus polyphyllus
57.	Arkwright Campion	.Lychnis arkwrighti
58.	Maltesecross Campion	.Lychnis chalcedonica
59.	Maltesecross Campion,	
	Double	.Lychnis chalcedonica flora plena
60.	Clammy Viscaria	.Lychnis viscaria
61.	Purpls Lythrum	Lythrum salicaria
62.	Rose Queen Lythrum	.Lythrum salicaria (Rose Queen)
62.	Morden Pink Lythrum	Lythrum salicaria (Marden Pink)
	Morden Pink Lythrum For-get-me-not	Lythrum salicaria (Marden Pink)
63.	Morden Pink Lythrum For-get-me-not True For-get-me-not	Lythrum salicaria (Marden Pink) Myosotis alpestris
63. 66. 67.	Morden Pink Lythrum	Lythrum salicaria (Marden Pink) Myosotis alpestris Paeonia tenuifolia (Fernleaf Peony)
63. 66.	Morden Pink Lythrum For-get-me-not True For-get-me-not	Lythrum salicaria (Marden Pink) Myosotis alpestris Paeonia tenuifolia (Fernleaf Peony)
63. 66. 67.	Morden Pink Lythrum	Lythrum salicaria (Marden Pink) Myosotis alpestris Paeonia tenuifolia (Fernleaf Peony) Myosotis scorpioides
63. 66. 67.	Morden Pink Lythrum. For-get-me-not. True For-get-me-not (Water). Double Crimson Peony Common Peony.	Lythrum salicaria (Marden Pink) Myosotis alpestris Paeonia tenuifolia (Fernleaf Peony) Myosotis scorpioides Paeonia albiflora sinensis
63. 66. 67. 68. 69.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony Common Peony Fern-leafed Peony	.Lythrum salicaria (Marden Pink) .Myosotis alpestris .Paeonia tenuifolia (Fernleaf Peony) .Myosotis scorpioides .Paeonia albiflora sinensis .Paeonia officinalis
63. 66. 67. 68. 69. 70. 71.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony. Common Peony. Fern-leafed Peony. Sawsepal Penstemon.	Lythrum salicaria (Marden Pink)Myosotis alpestrisPaeonia tenuifolia (Fernleaf Peony)Myosotis scorpioidesPaeonia albiflora sinensisPaeonia officinalisPentstemon organdiflora
63. 66. 67. 68. 69. 70. 71. 72.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony. Common Peony. Fern-leafed Peony. Sawsepal Penstemon.	Lythrum salicaria (Marden Pink)Myosotis alpestrisPaeonia tenuifolia (Fernleaf Peony)Myosotis scorpioidesPaeonia albiflora sinensisPaeonia officinalisPentstemon graphiflora
63. 66. 67. 68. 69. 70. 71. 72. 73.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony Common Peony Fern-leafed Peony Sawsepal Penstemon. Shell-leaf Penstemon	Lythrum salicaria (Marden Pink)Myosotis alpestrisPaeonia tenuifolia (Fernleaf Peony)Myosotis scorpioidesPaeonia albiflora sinensisPaeonia officinalisPentstemon glaberPentstemon grandifloraPentstemon secundiflorus
63. 66. 67. 68. 69. 70. 71. 72.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony Common Peony Fern-leafed Peony Sawsepal Penstemon. Shell-leaf Penstemon Perennial Phlox	.Lythrum salicaria (Marden Pink) .Myosotis alpestris .Paeonia tenuifolia (Fernleaf Peony) .Myosotis scorpioides .Paeonia albiflora sinensis .Paeonia officinalis .Pentstemon glaber .Pentstemon grandiflora .Pentstemon secundiflorus .Phlox decussata
63. 66. 67. 68. 69. 70. 71. 72. 73. 74.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony Common Peony Fern-leafed Peony Sawsepal Penstemon Shell-leaf Penstemon Perennial Phlox Pyramid and Ada Blackjaci	.Lythrum salicaria (Marden Pink) .Myosotis alpestris .Paeonia tenuifolia (Fernleaf Peony) .Myosotis scorpioides .Paeonia albiflora sinensis .Paeonia officinalisPentstemon glaber .P'entstemon grandiflora .Pentstemon secundiflorus .Phlox decussata k Phlox are the hardiest,
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63. 66. 67. 68. 69. 70. 71. 72. 73. 74. 77. 78. 79.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony. Common Peony. Fern-leafed Peony. Sawsepal Penstemon. Shell-leaf Penstemon. Perennial Phlox. Pyramid and Ada Blackjacl Iceland Poppy. Oriental Poppy. Greenkvalerian Polimonium. Bethlehem Lungwort.	.Lythrum salicaria (Marden Pink) .Myosotis alpestris .Paeonia tenuifolia (Fernleaf Peony) .Myosotis scorpioides .Paeonia albiflora sinensis .Paeonia officinalis .Pentstemon glaber .Pentstemon grandiflora .Pentstemon secundiflorus .Phlox decussata k Phlox are the hardiest .Papaver nudicaule .Papaver oriestale .Polimonium caeruleumPulmonaria saccharata
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63. 66. 67. 68. 69. 70. 71. 72. 73. 74. 77. 80. 84. 85. 87.	Morden Pink Lythrum For-get-me-not. True For-get-me-not (Water) Double Crimson Peony. Common Peony. Fern-leafed Peony. Sawsepal Penstemon. Shell-leaf Penstemon. Perennial Phlox. Pyramid and Ada Blackjacl Iceland Poppy. Oriental Poppy. Greenkvalerian Polimonium Bethlehem Lungwort. Double Buttercup Golden Glow Buttercup Caucasian Scabious.	.Lythrum salicaria (Marden Pink) .Myosotis alpestris .Paeonia tenuifolia (Fernleaf Peony) .Myosotis scorpioides .Paeonia albiflora sinensis .Paeonia officinalis .Pentstemon glaber .Pentstemon grandiflora .Pentstemon secundiflorus .Phlox decussata k Phlox are the hardiest .Papaver nudicaule .Papaver oriestale .Polimonium caeruleum .Pulmonaria saccharata .Ranunculus laciniata .Scabiosa caucasia
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